

# Credits

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Graphic Production	Rebecca Voorhees, Creative Services, California State University, Sacramento

## Content and Educational Reviewers

Content	David Kay, Ph. D. Alan Berry, M.S.
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## Illustration Credits

Page 59	Surfboard blueprint— Rebecca Voorhees, Creative Services, California State University, Sacramento
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## Map Credits

Page 68	A World of Resources – Amanda Chaffee, Creative Services, California State University, Sacramento
Page 70	A World of Resources – Amanda Chaffee, Creative Services, California State University, Sacramento
Page 71	World Bauxite Distribution – Amanda Chaffee, Creative Services, California State University, Sacramento
Page 72	World Iron Distribution – Amanda Chaffee, Creative Services, California State University, Sacramento
Page 73	World Petroleum Distribution – Amanda Chaffee, Creative Services, California State University, Sacramento

## Photo Credits

Cover	Biogas facility – Lars Christensen/BigStockPhoto
Page 3	Biogas facility – Lars Christensen/BigStockPhoto
Page 4	Making fiberglass surfboard – Kip Evans Photography
Page 6	Surfer paddling – Kip Evans Photography
Page 7	Oil Rig near the Channel Islands – Joelyn Pullano
Page 8	Big Sur River at Sykes Hot Springs – Rich Reid/National Geographic Society Surfboards – Patricia Hofmeester/BigStockPhoto
Page 9	Bamboo processing – Alan Johnson/iStockphoto
Page 10	Argo Mine seepage – N. Gaggiani/U.S. Geological Survey
Page 11	Recycling natural gas from waste – Lars Christensen/BigStockPhoto
Page 27	Glacial stream – Taylor S. Kennedy/National Geographic Society
Page 28	Path through the redwoods – Kip Evans Photography
Page 30	Woman surfer – Ben Jeayes/iStockphoto
Page 31	Oilfield in California – Alan Tobey/iStockphoto Seamstress working in sewing factory – Joel Sartore/National Geographic Society
Page 50	Making a surfboard – Kip Evans Photography
Page 51	Final sanding – Stephen Walcott/BigStockPhoto Blueprint review – Zsolt Nyulaszi/iStockphoto

## Photo Credits (continued):

Page 60	Oil tanker in Capetown – Ricardo De Mattos/iStockphoto
Page 61	Cargo plane – Ivan Cholakov/BigStockPhoto LNG tanker at Asian liquefaction plant – Mayumi Terao/iStockphoto
Page 76	Copper strip mine – Kasia Halka
Page 77	Lumber Pile – Val Thoermer/BigStockPhoto Sulfur plant – Peter Saunders/iStockphoto
Page 89	Workers on an oil rig – Cary Wolinsky/National Geographic Society California oilwell – Richard Thornton/BigStockPhoto
Page 90	Logger – Joel Sartore/National Geographic Society Feller buncher harvesting tree – Michael Rosenstein
Page 91	Copper extraction at work – Joel Sartore/National Geographic Society Copper miner – Joel Sartore/National Geographic Society
Page 92	Sand quarry – Bob Ainsworth/BigStockPhoto Silica excavator – Diana Currier/BigStockPhoto
Page 93	Cotton harvest in California – Gary Kramer/U.S. Department of Agriculture, Natural Resources Conservation Service Modern cotton farmer – Bob Nichols/U.S. Department of Agriculture, Natural Resources Conservation Service
Page 94	Amazon crude oil pond – Steve Winter/National Geographic Society Logs ready for milling – Joel Sartore/National Geographic Society
Page 95	Silica Sand Pile – Lori Sparkia/BigStockPhoto Cotton harvest – Gary Kramer/U.S. Department of Agriculture, Natural Resources Conservation Service
Page 96	Copper nugget – Arturo Limon/BigStockPhoto
Page 97	Moss covered rocks – Kip Evans Photography
Page 98	Traffic Congestion – Giorgio Fochesato/iStockphoto
Page 99	Electrical power plant – Ruslan Gilmanshin/BigStockPhoto Paper recycling – Marcus Clackson/iStockphoto
Page 108	Arizona landscape – Anton Foltin/iStockphoto Copper strip mine – Stephen Sharnoff/National Geographic Society
Page 109	Cotton field – Matthias Moritz/iStockphoto Desert chaparral – Richard McGuirk/iStockphoto
Page 110	Oil drill in the Amazon – James P. Blair/National Geographic Society Amazon rainforest – Michael Nichols/National Geographic Society
Page 111	Sand mountain – Anatoliy Zavodskov/BigStockPhoto Silica quarry – Larry Jordan/BigStockPhoto
Page 112	Forest hills – JinYoung Lee/BigStockPhoto Clear cut forest – Kip Evans Photography
Page 113	Air pollution in Cairo – Martin Gray/National Geographic Society
Page 114	Air pollution in Cairo – Martin Gray/National Geographic Society Polystyrene pollution – Jim Lopes/iStockphoto
Page 115	Water pollution – Micheline Dubé/iStockphoto Aerial spraying of wheat – Ron Nichols/U.S. Department of Agriculture, Natural Resources Conservation Service
Page 118	Paperclip – Andreas Guskos/BigStockPhoto

## Manufacturing and Design Journal

Cover	Surfboard assembly – Kip Evans Photography
Page 10	A World of Resources – Amanda Chaffee, Creative Services, California State University, Sacramento





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